

AFP™-TH/DTH

The »Tough« Solid Photopolymer Plate



The AFP™-TH/DTH is a robust, solvent wash photopolymer plate whose strengthened polymer structure, completely based on Asahi's unique polymer technology, achieves excellent printing quality in the toughest flexographic printing environments.

In platemaking and printing, the AFP™-TH/DTH plate can be relied on for:

- High performance for long run printing with intensified mechanical strength, and chipping and abrasion resistance.
- Maintaining stable plate quality after long term storage.
- Low tackiness on the surface of the plate is resulting in a cleaner print result.
- Good balanced printing quality for the highlights, solids, small text and reverse text.

	AFP™ - TH/DTH	
Thickness / mm	1,14	1,70
Hardness / shore A (teclock)	77	69
Resolution 150 lpi conventional	1-95%	1-95%
Resolution 175 lpi digital	1-95%	1-95%
Isolated line / μm	80	80
Isolated dot / μm	150	150
Applications	Flexible Packaging, Film , Paper and Label applications with high mechanical stress	
Ink compatibility	Water-, solvent- and UV- based inks	

The TH/DTH plate is superior to conventional plates for the mechanical strength.

This is Asahi's internal evaluation of strength by handling



TH/DTH PLATE: Less chipping

CONVENTIONAL PLATE: Chipping

Requirements for modern flexographic printing plate development may be very different from one customer to another. This ranges from the finest graphical colour gradation all the way to plates that perform well in tough printing conditions utilizing highly abrasive substrates or need to perform under increased mechanical printing pressure conditions.

Based on these demands, Asahi has developed a new plate material featuring improved performance under tough flexographic printing conditions: TH, our new analogue tough plate, and DTH, a digital flexo plate meeting these market requirements.